

AGENDA

Workshop on Thermal Storage for Trough Power Systems February 20-21, 2003 – Golden, CO

Thursday February 20

<u>Topics</u>		<u>hrs</u>
• Welcome	Price/Kearney	<½
• Overview on Thermal Storage		
- Storage system options	Herrmann	¾
- Current U.S./European work	Price/Pitz-Paul	¾
- Value	Owens	½
• Indirect 2-tank molten-salt: This technology offers a TES option for near-term projects.		
- Insights from Solar Two/Solar Tres	Kelly/Barth	¾

Lunch

- Commercial needs, goals and plans		
▪ Solar Millennium	Herrmann	¾
▪ Duke Solar	Gee	½
▪ Nexant/NREL optimization	Kelly/Price	¾
• Inorganic Molten-Salt HTF: This concept uses an inorganic molten-salt as the heat-transfer fluid in the solar field. Allows higher solar field operating temperatures and lower cost TES but adds additional complexity.		
- Overview of SunLab evaluation	Kearney	¾
- Thermocline analysis	Price	½
- Sandia Testing	Brosseau	¾
- Interconnect Evaluation	Moreno (Kearney)	¾

Evening: Joint Dinner in Golden

(continued on next page)

Friday February 21

- Italian Program (transmitted by M. Vignolini) ½
- Concrete Storage: Update on the European concrete TES program.
 - European program - experimental and analyses Tamme 1
- Advanced HTF: This effort will present work on the development of a new class of organic salt heat transfer fluids. These potentially offer the attractive features of inorganic molten-salts, yet remain liquid at ambient temperatures.
 - NREL/Univ. of Alabama work Blake 1
- Other Storage Concepts 1
 - storage for DISS Tamme
 - chemical storage Blake
- Modeling Methods Herrmann/Price/Blair 1
- Open Discussion all 1
- Draft of R&D Plan by Participants Price/Kearney 2

Guidelines

- In presenting economic results, please include cases for 3,6 and 9 hours of full load equivalent electrical storage capacity for a 50 MWe plant. We will build a comparative table during the meeting.
- In general, presentations on a project should include an overview, goals, discussion of method, results, conclusions, and future outlook.
- Keep to the time limit assigned in the final agenda ... time will be tight.
- A computer projector will be available at the meeting